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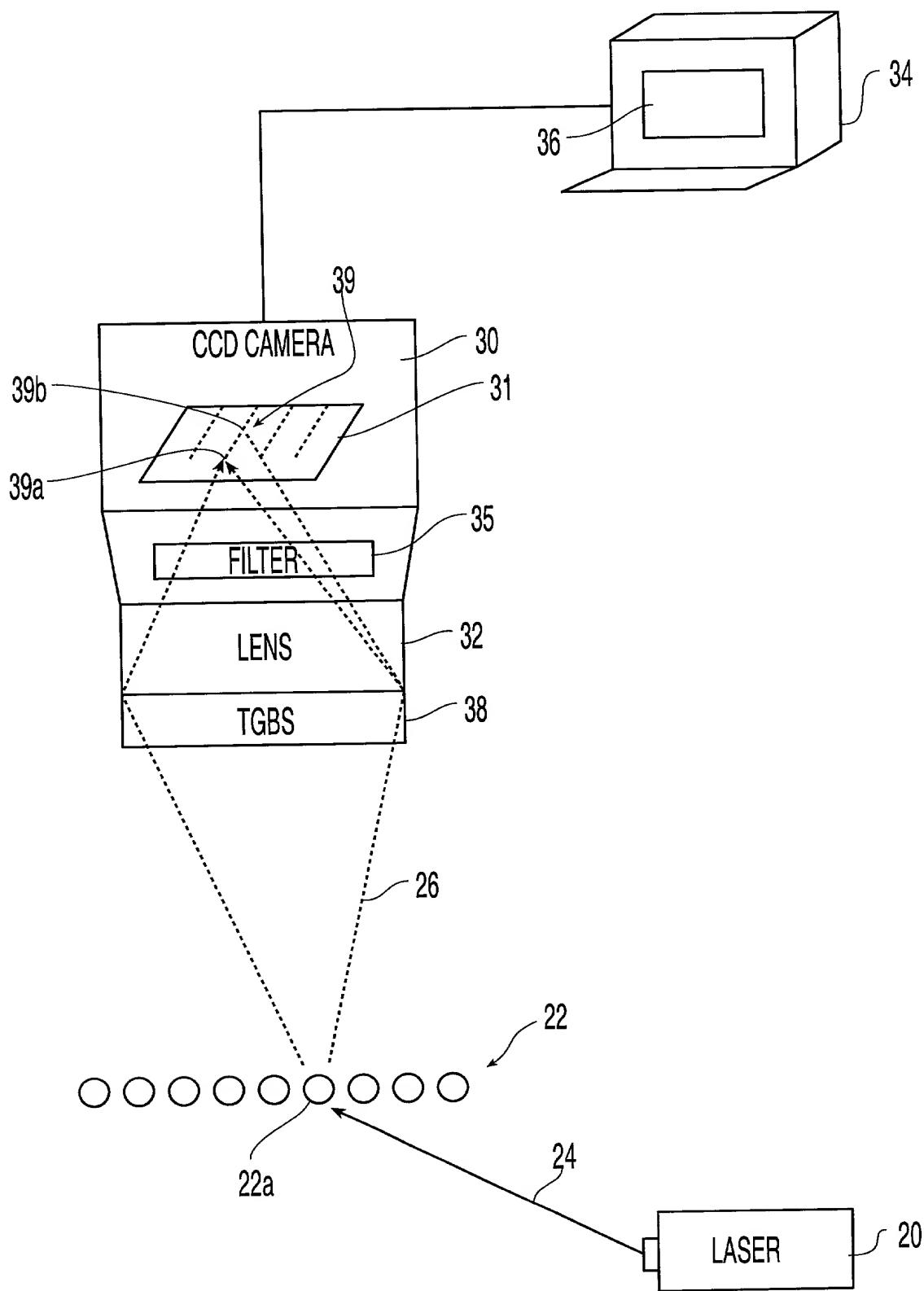


Fig. 1
(Prior Art)

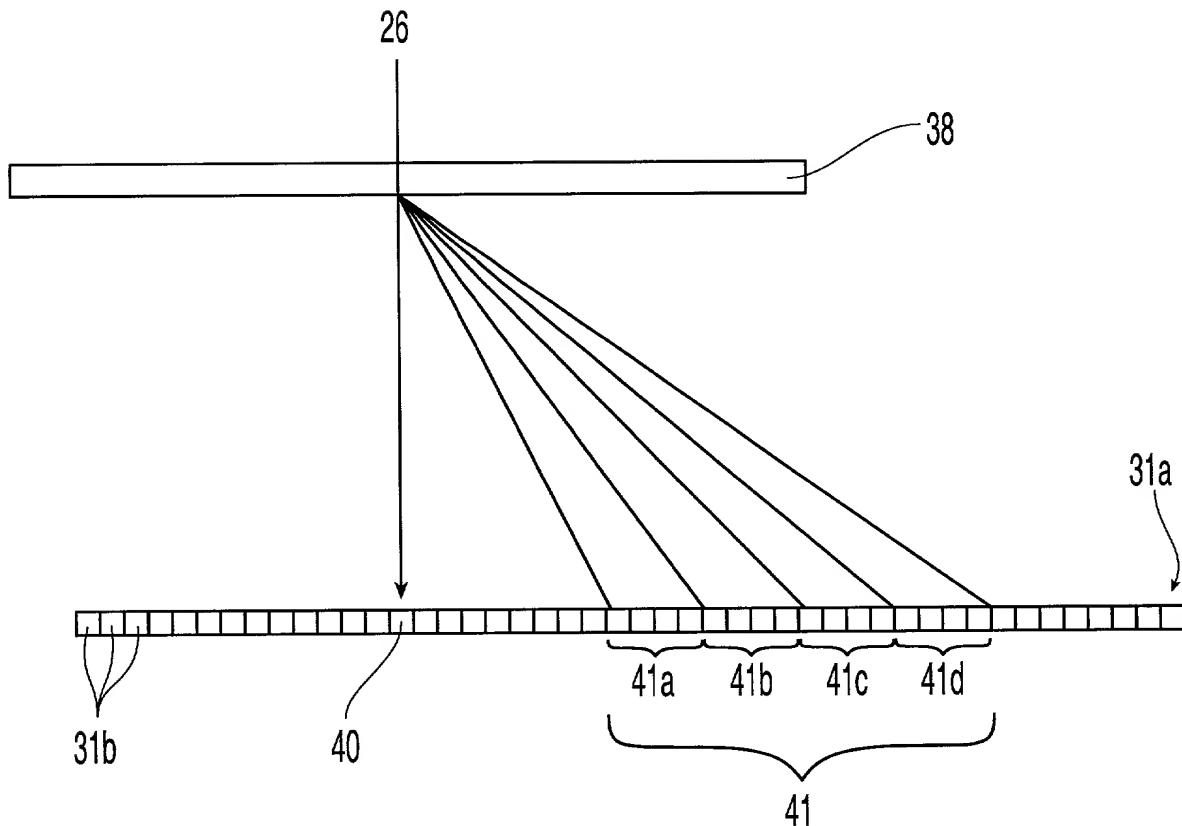


Fig. 2a
(Prior Art)

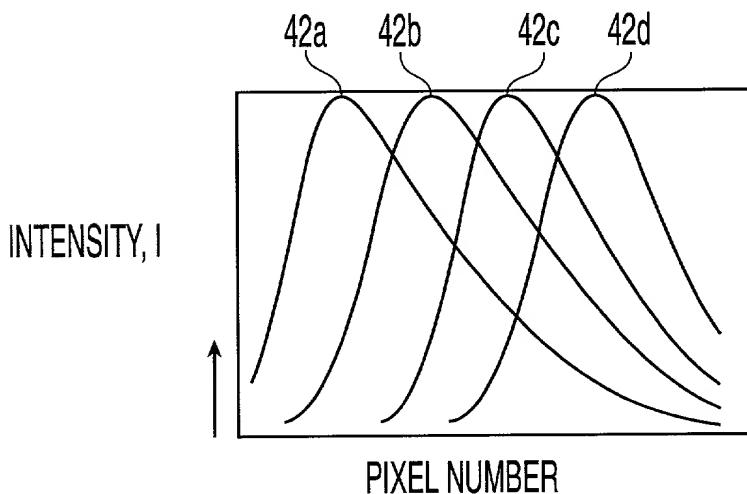


Fig. 2b
(Prior Art)

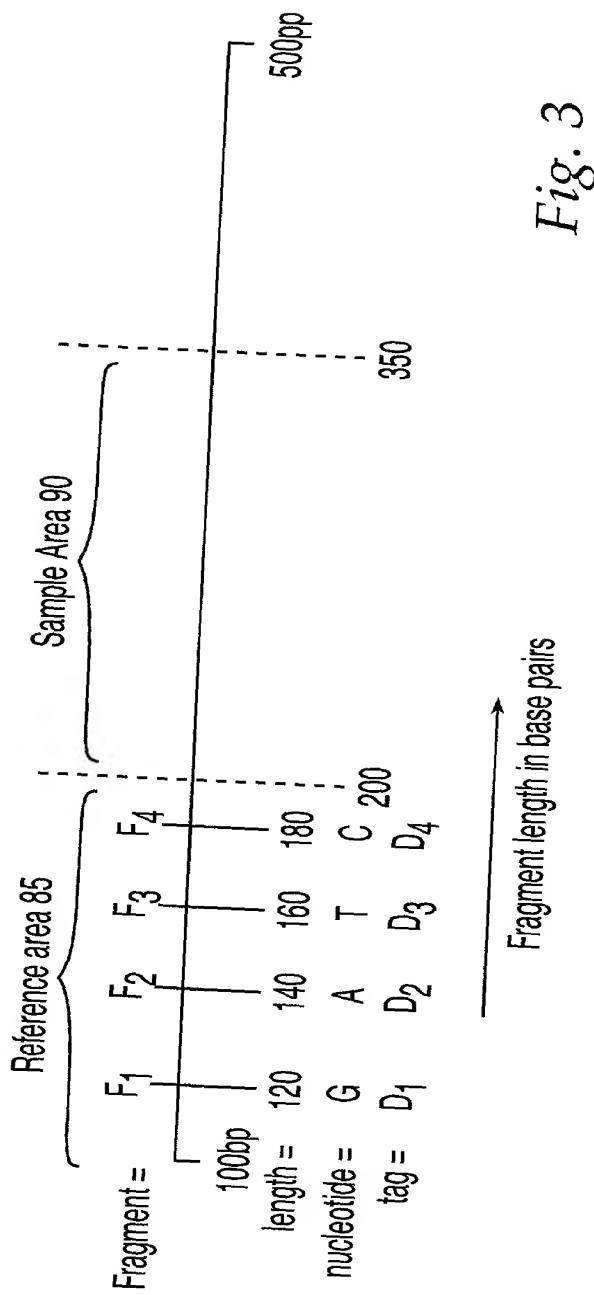


Fig. 3

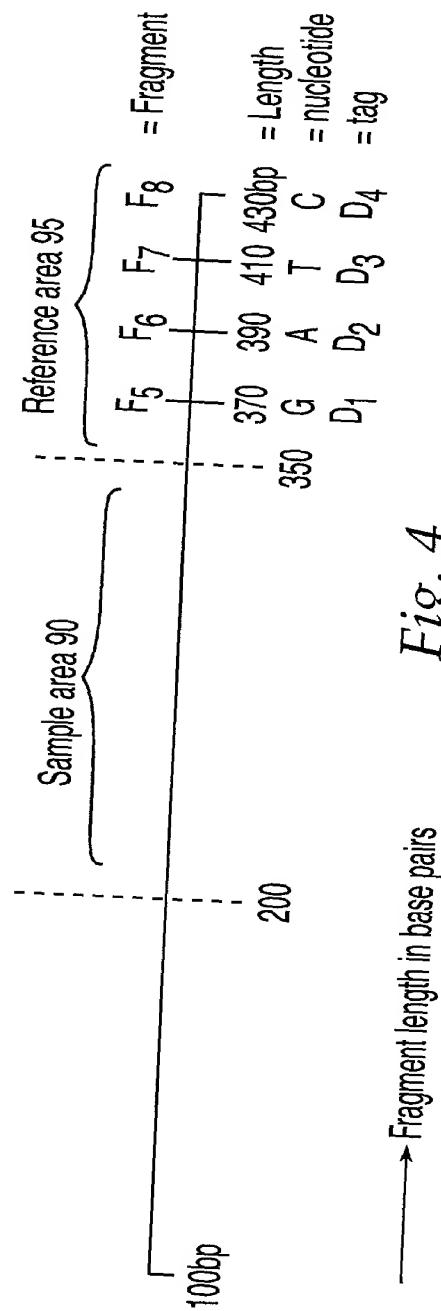


Fig. 4

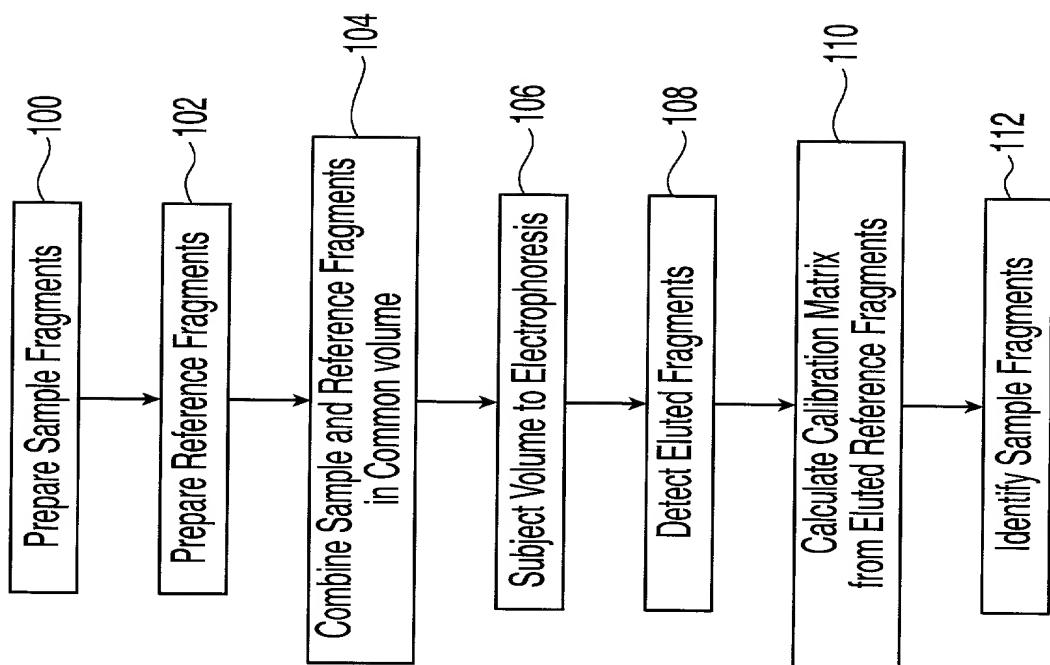


Fig. 5

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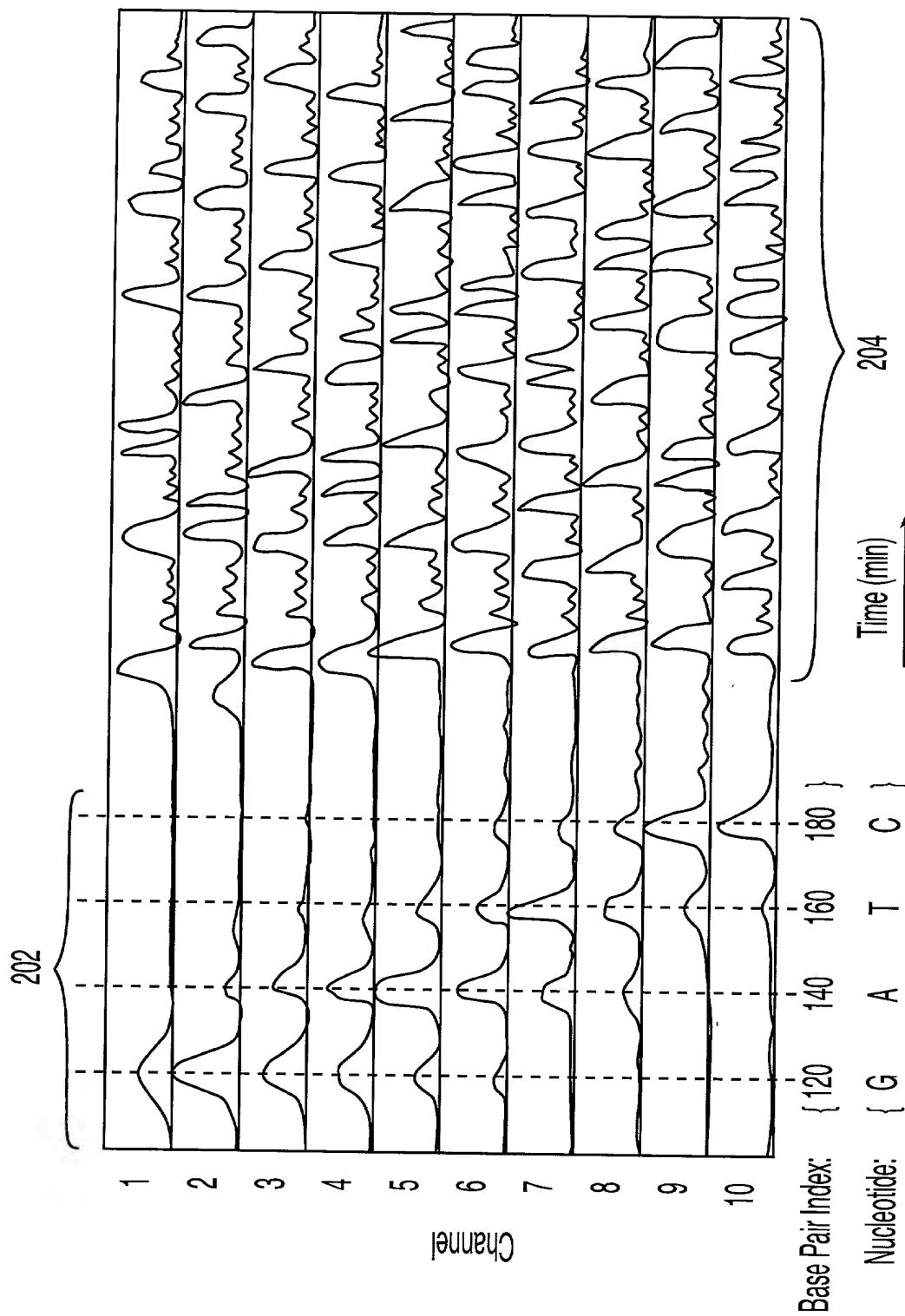
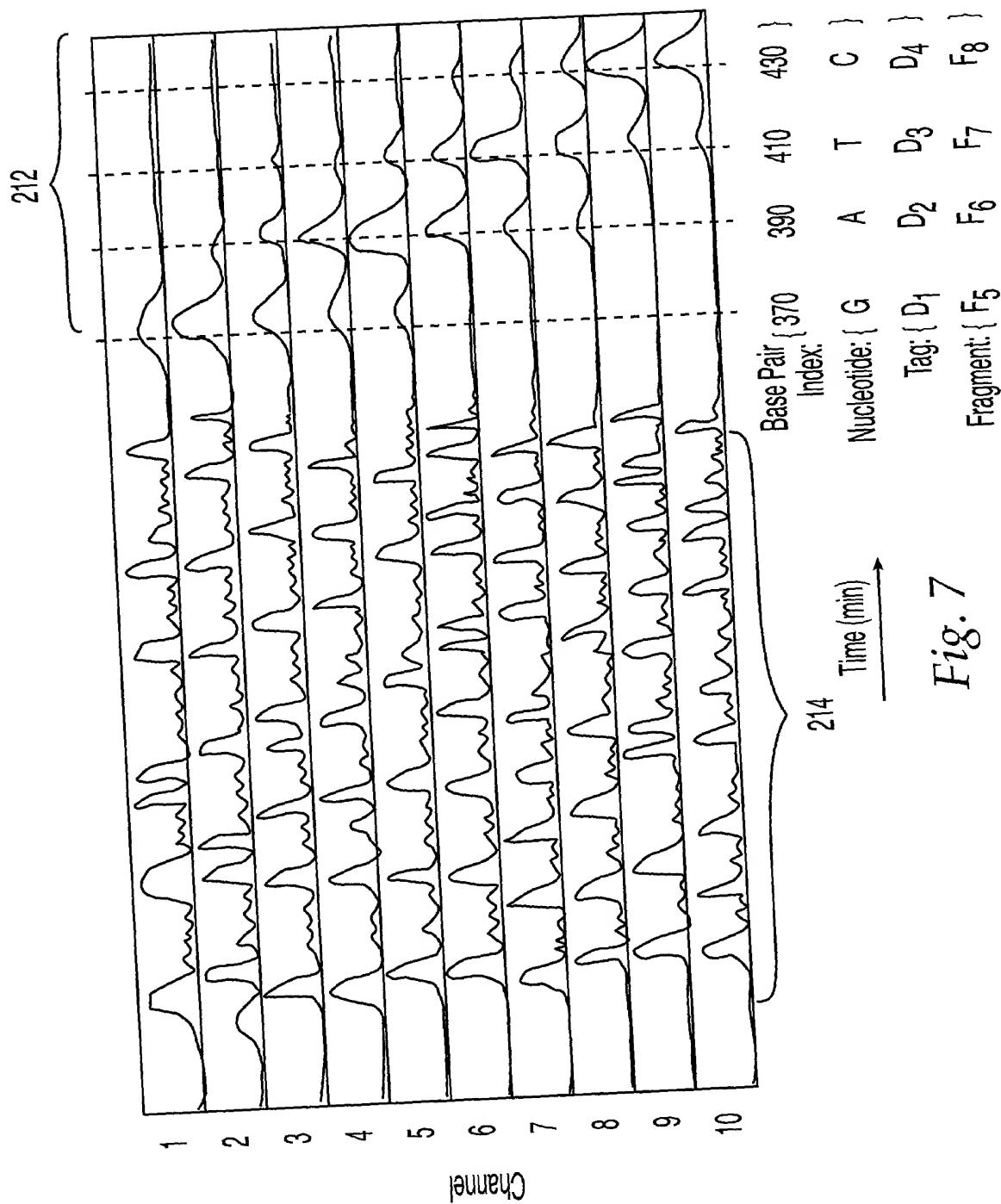


Fig. 6

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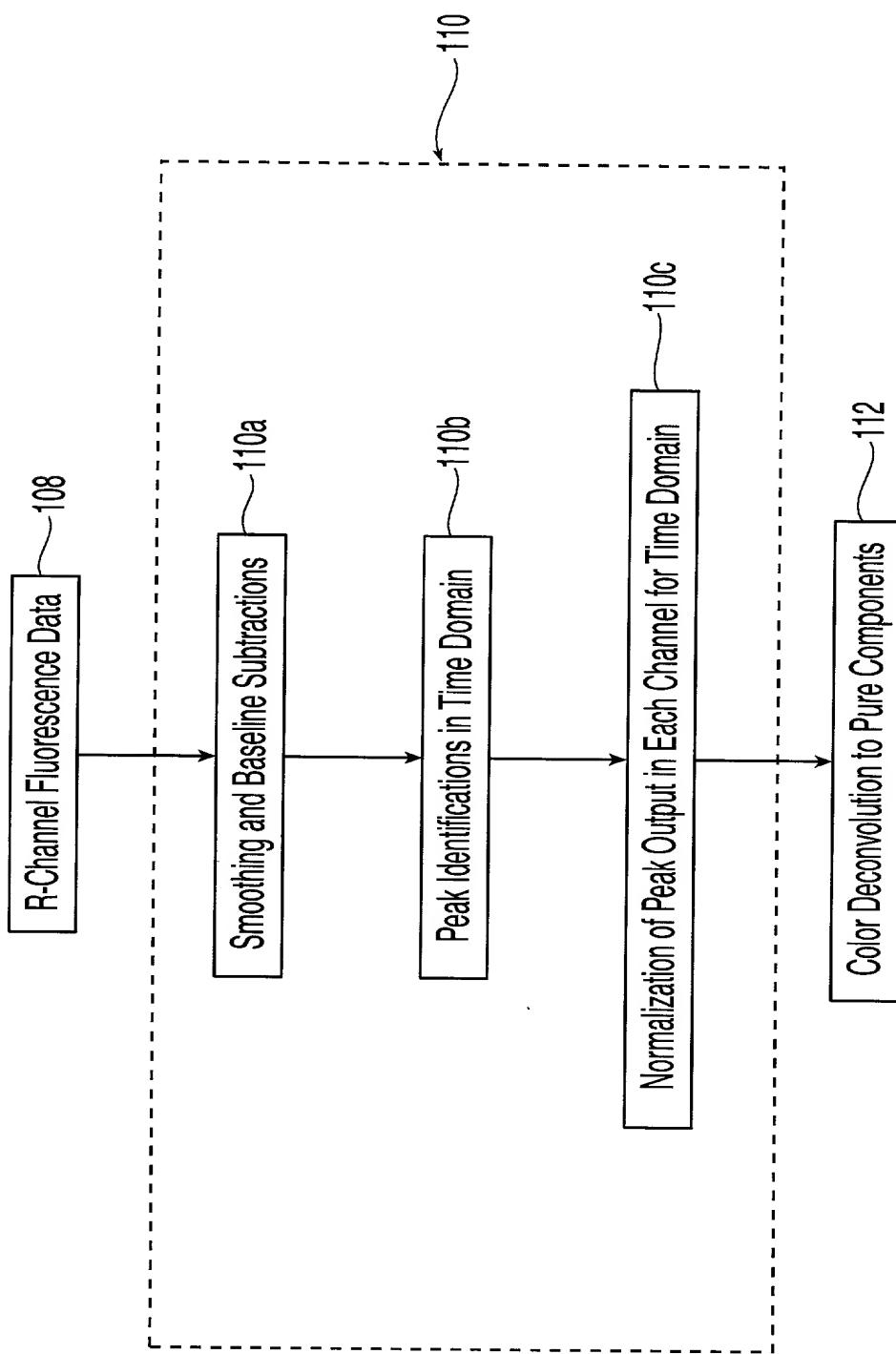


Fig. 8

Calibration Coefficients for each base

Channel Number	G	A	T	C
1	.408	.037	.021	.016
2	1	.205	.034	.021
3	.887	.722	.063	.023
4	.566	1	.244	.027
5	.394	.721	.754	.067
6	.265	.428	1	.359
7	.152	.287	.691	.925
8	.091	.202	.403	1
9	.059	.120	.274	.604
10	.040	.069	.202	.316

Fig. 9